

P 152205Z OCT 68

FM NPIC WASHDC

TO RUCSAAA/SAC OFFUTT AFB OMAHA NEB

RUCSAAA/544TH ARTW OFFUTT AFB OMAHA NEB

RUCLFGA/100TH SRW OL 19 MCCOY AFB FLA

RUWJDBA/100TH SRW DAVIS MONTHAN AFB ARIZ

RUEBJRA/NAVRECONTECHSUPPCEN SUITLAND MD

RUEAIIA/CIA WASH DC

RUEOJFA/DIA

RUWBKNA/15TH AF MARCH AFB RIVERSIDE CALIF

RUEFHQA/HQS USAF

BT

S E C R E T CITE NPIC 4822.

SAC FOR DIR, DOSR, DISD; 15TH AF FOR DI. DO; 100TH SRW FOR CO, DCOI; HQ USAF FOR AFRDR; DIA FOR DIAXX-2.

FROM NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER.

SUBJECT: EVALUATION OF GLASS LAMP MISSION G-046

1. IMAGE QUALITY: IMAGERY FROM THIS MISSION IS GOOD WHERE DEGRADED BY ATMOSPHERICS. THE IMAGERY IS COMPARABLE TO THAT OBTAINED ON MISSION G-045. THE QUALITY VARIES ACROSS THE FORMAT.

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WITH THE BEST IMAGERY BEING NEAR THE NON-DATA BLOCK EDGE. THE GROUND RESOLUTION AND INTERPRETATION SUITABILITY ARE GOOD WHERE DEGRADED BY ATMOSPHERICS. CLOUD COVER AND HAZE OBSCURE APPROXIMATELY 50 PERCENT OF THE ENTIRE MISSION.

2. MISSION DATA:

A. THE STANDARD "B" CONFIGURATION CAMERA, UNIT NUMBER 10.4 WAS USED IN MISSION G-046, FLOWN ON 11 OCTOBER 1968. MODE 5 WAS USED THROUGHOUT THE ENTIRE MISSION.

B. FILM TYPE 3401 WAS USED WITH AN EXPOSURE SETTING OF 1/360 AT F/10. PROCESSING WAS ACCOMPLISHED BY NAV RECON TECH SUPPCE

3. ORIGINAL NEGATIVE:

A. EXPOSURE: THE EXPOSURE IS ADEQUATE THROUGHOUT THE MISSION.

B. DENSITY AND CONTRAST: GENERALLY MEDIUM THROUGHOUT, WHERE NOT AFFECTED BY ATMOSPHERICS.

C. IMAGE DEGRADATIONS:

(1) 9R SIDE: THE OBSTRUCTION, NEAR THE DATA CHAMBER, REPORTED IN PREVIOUS EVALUATIONS HAS MOVED AND IS BARELY DETECTABLE. INBOARD AND OUTBOARD ROLLER CHATTER ARE PRESENT THROUGHOUT THE MISSION. THE INBOARD ROLLER CHATTER IS SEVERE AND AT TIMES DEGRADES

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THE IMAGERY. THE ROLLER CHATTER HAS BECOME MORE SEVERE SINCE MISSION G-043.

(2) 9L SIDE: A LIGHT LEAK INDUCED PLUS DENSITY LINE, 2.8 INCHES LONG AND 3.3 INCHES FROM THE NON DATA BLOCK EDGE, IS IMAGED PARALLEL TO THE MINOR AXIS IN FRAME 3. A FOG PATTERN 0.2 INCH WIDE IS PRESENT IN FRAME 8 AND LOCATED IN THE SAME AREAS AS THE PATTERN DESCRIBED IN FRAME 3. FRAME 5 ALSO CONTAINS A 0.2 INCH WIDE FOG PATTERN EXTENDING 7.0 INCHES FROM THE OUTBOARD EDGE INTO THE FORMAT AREA. THIS FOG PATTERN IS PARALLEL TO AND 5.5 INCHES FROM THE NON DATA BLOCK EDGE.

(3) BOTH SIDES: THE REFLECTIONS FROM THE FRAME FORMAT REPORTED IN PREVIOUS MISSION UTILIZING UNIT NUMBER 10 ARE ALSO PRESENT ON THIS MISSION. THE SHUTTER MALFUNCTIONED CAUSING TITLED FRAMES 14 AND 15 TO BE EXTREMELY OVEREXPOSED. THE SHUTTER OPENED

OUT 66176

15 OCT 68 22 30Z

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FOR EVENT 14 (TITLED FRAME 14) AND REMAINED OPEN THROUGH EVENT 15. THE SHUTTER CLOSED DURING FILM TRANSPORT BETWEEN EVENTS 15 AND 16. THE SAME SEQUENCE OCCURRED DURING EVENTS 16 AND 17 (TITLED FRAME 15). EVENT 18 WAS PROPERLY EXPOSED.

D. PHYSICAL DEGRADATIONS:

(1) 9R SIDE: A MANUFACTURER'S SPLICE IS LOCATED ON

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FRAME 282. HEAT SPLICES ARE LOCATED BETWEEN FRAMES 298/299 AND 1198/1199. A HEAT SPLICE IS ALSO PRESENT ON FRAME 987.

(2) 9L SIDE: FRAME 1301 CONTAINS A MANUFACTURER'S SPLICE. HEAT SPLICES ARE LOCATED BETWEEN FRAMES 298/299, 1197/1198 AND 1498/1499. FRAME 1010 ALSO CONTAINS A HEAT SPLICE.

E. AUXILIARY DATA: THE EVENTS COUNTER STARTED AT 0000 (TITLE FRAME 0001) AND THEN SKIPPED EVENT 0001. FROM FRAME 2 THROUGH 14, THE EVENTS COUNTER CORRELATED WITH THE TITLED FRAME NUMBERS. DUE TO THE SHUTTER ANOMALY, THE EVENTS COUNTER HELD A PLUS TWO BIAS UNTIL THE END OF THE MISSION. ALL OTHER RECORDING SYSTEMS FUNCTIONED NORMALLY.

F. THE LAST TITLED FRAME ON BOTH SIDES IS 2046, COUNTER NUMBER 2048.

4. POSITIVES:

A. THE PRINTING AND PROCESSING ARE GOOD.

GP-1

S E C R E T

END OF MESSAGE